PATENT COOPERATION TREAT

	From the INTERNATIONAL BUREAU		
PCT	То:		
NOTIFICATION OF ELECTION	Assistant Commissioner for Patents		
	United States Patent and Trademark		
(PCT Rule 61.2)	Office Box PCT		
•	Washington, D.C.20231		
	ETATS-UNIS D'AMERIQUE		
Date of mailing (day/month/year)	is the consider as allowed Office		
12 October 2000 (12.10.00)	in its capacity as elected Office		
International application No.	Applicant's or agent's file reference		
PCT/US00/02014	9318-022-228		
International filing date (day/month/year)	Priority date (day/month/year)		
² 28 January 2000 (28.01.00)	29 January 1999 (29.01.99)		
Applicant			
SALAMONE, Julie et al			
The designated Office is hereby notified of its election made.	de:		
_			
X in the demand filed with the International Preliminar	y Examining Authority on:		
22 August 200	00 (22.08.00)		
in a notice effecting later election filed with the Inter	national Bureau on:		
2. The election X was			
was not	•		
Was not			
made before the expiration of 19 months from the priority	date or, where Rule 32 applies, within the time limit under		
Rule 32.2(b).			
	•		
The Index of the I Burney (1480)	Authorized officer		
The International Bureau of WIPO 34, chemin des Colombettes	Marie-José Devillard		
1211 Geneva 20, Switzerland	Telephone No : (41,22) 338 83 38		
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Form PCT/IB/331 (July 1992)

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(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 3 August 2000 (03.08.2000)

PCT

(10) International Publication Number WO 00/45238 A3

G06F 9/00, (51) International Patent Classification7: 9/46, 15/163

(21) International Application Number: PCT/US00/02014

(22) International Filing Date: 28 January 2000 (28.01.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

Mil

60/117,943 29 January 1999 (29.01.1999) US 29 January 1999 (29.01.1999) 60/117.948 US 60/117,949 29 January 1999 (29.01.1999)

- (71) Applicant (for all designated States except US): IONA TECHNOLOGIES, INC. [US/US]; 200 West Street, Waltham, MA 02451 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SALAMONE, Julie

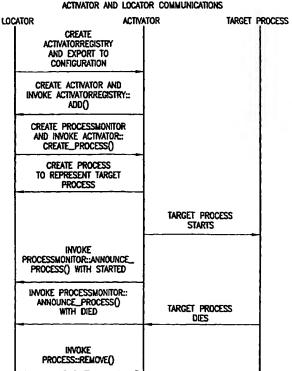
[US/US]; 200 West Street, Waltham, MA 02451 (US). CLARKE, Alan [US/US]; 200 West Street, Waltham, MA 02451 (US). KIELY, Paul [US/US]; 200 West Street, Waltham, MA 02451 (US). WITHAM, Ronald, C., Jr. [US/US]; 200 West Street, Waltham, MA 02451 (US). SULLIVAN, Kevin [US/US]; 200 West Street, Waltham, MA 02451 (US).

- (74) Agents: REIN, Barry, D. et al.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).
- (81) Designated States (national): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent

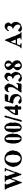
[Continued on next page]

(54) Title: DYNAMIC CONFIGURATION OF ACTIVATORS IN A CLIENT-SERVER ENVIRONMENT

ACTIVATOR AND LOCATOR COMMUNICATIONS



(57) Abstract: A computer implemented method (Fig. 3) of activating a process. The method includes the steps of generating one or more first plug-ins each configured to activate a target process, dynamically registering the first plug-ins with a second plug-in, and permanently storing information relating to each registered first plug-in. A server computer in a client-server computer system that includes one or more first plug-ins each configured to activate a target process, and a second plug-in configured to dynamically register the first plug-ins and to permanently store information relating to the registered first plug-ins.



INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/02014

	<u> </u>				
1	SSIFICATION OF SUBJECT MATTER: G06F 9/00, 9/46, 15/163				
US CL	:709/310				
	to International Patent Classification (IPC) or to both LDS SEARCHED	national classification and IPC			
	locumentation searched (classification system followe	d by classification symbols)			
	709/310, 315	- · , ······			
Documenta	tion searched other than minimum documentation to the	extent that such documents are included	in the fields searched		
	data base consulted during the international search (n DIALOG, DTSEARCH	ame of data base and, where practicable	e, search terms used)		
C. DOC	CUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.		
Y	SCHMIDT, D.C. et al Object Int September 1998, pages 1-9.	erconnections, SIGS C++	1-10		
Y	THE COMMON OBJECT REQUEST BROKER: ARCHITECTURE 1-10 AND SPECIFICATION, February 1998, Chapters 5-9,& 18.				
Y	JAVA 1.2 Unleashed, 1998, Chapter 38. 1,6				
Y	DRAGAN, R.V. Plugging in:the LiveConnect/Plug-IN SDK 3.0, PC Magazine, October 1996 Vol. 15. No. 17 pages 284(2).				
			•		
Furti	her documents are listed in the continuation of Box C	See patent family annex.			
• Sp	secial estagories of cited documents:	"T" later document published after the inte			
	scument defining the general state of the art which is not considered be of particular relevance	the principle or theory underlying the			
Ī	rlier document published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be consider when the document is taken signs			
cit	document which may throw doubts on priority claim(s) or which is when the document is taken alone cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be				
*O" document referring to an oral disclosure, use, exhibition or other means considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art					
	P document published prior to the international filing date but later than *a.* document member of the same patent family the priority date claimed				
Date of the	actual completion of the international search	Date of mailing of the international sec	arch report		
20 JUNE	20 JUNE 2000 0'3 AUG 2000 ,				
	mailing address of the ISA/US mer of Patents and Trademarks	Authorized officer	AA		
Box PCT	n, D.C. 20231	ALVIN OBERLEY	ni Hill in		
Facsimile N	-	Telephone No. (703) 305-3900			

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7:

G06F

(11) International Publication Number: WO 00/45238

(43) International Publication Date: 3 August 2000 (03.08.00)

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60/117,943
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US
60/117,949
29 January 1999 (29.01.99)
US

(71) Applicant (for all designated States except US): IONA TECH-NOLOGIES, INC. [US/US]; 200 West Street, Waltham, MA 02451 (US).

(72) Inventors; and

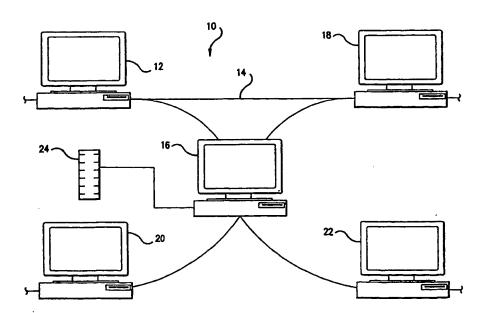
- (75) Inventors'Applicants (for US only): SALAMONE, Julie [US/US]; 200 West Street, Waltham, MA 02451 (US). CLARKE, Alan [US/US]; 200 West Street, Waltham, MA 02451 (US). KIELY, Paul [US/US]; 200 West Street, Waltham, MA 02451 (US). WITHAM, Ronald, C., Jr. [US/US]; 200 West Street, Waltham, MA 02451 (US). SULLIVAN, Kevin [US/US]; 200 West Street, Waltham, MA 02451 (US).
- (74) Agents: REIN, Barry, D. et al.; Pennie & Edmonds LLP, 1155 Avenue of the Americas, New York, NY 10036 (US).

(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published

Without international search report and to be republished upon receipt of that report.

(54) Title: METHOD AND SYSTEM FOR DYNAMIC CONFIGURATION OF ACTIVATORS IN A CLIENT-SERVER ENVIRON-MENT



(57) Abstract

A computer implemented method of activating a process. The method includes the steps of generating one or more first plug—ins each configured to activate a target process, dynamically registering the first plug—ins with a second plug—in, and permanently storing information relating to each registered first plug—in. A server computer in a client–server computer system that includes one or more first plug—ins each configured to activate a target process, and a second plug—in configured to dynamically register the first plug—ins and to permanently store information relating to the registered first plug—ins.

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PATENT COOPERATION TREATY

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference 9318-022-228	FOR FURTHER ACTI	OI1	ication of Transmittal of Internation Examination Report (Form PCT/IPEA/4)
International application No.	International filing date (day/month/year)	Priority date (day/month/year)
PCT/US00/02014	28 JANUARY 2000		29 JANUARY 1999
International Patent Classification (IPC) IPC(7): G06F 9/00, 9/46, 15/163 and	or national classification ar US Cl.: 709/310	nd IPC	
Applicant IONA TECHNOLOGIES, INC.			
 This international preliming Examining Authority and is This REPORT consists of a 	transmitted to the applic	has been prepa ant according to	red by this International Preliminar Article 36.
This report is also accombeen amended and are the (see Rule 70.16 and Sec	apanied by ANNEXES, i.e ne basis for this report and stion 607 of the Administra	or sheets containir	cription, claims and/or drawings which has rectifications made before this Author nder the PCT).
These annexes consist of a to	otal ofsheets.		
3. This report contains indication	ns relating to the followi	ng items:	
I X Basis of the repo	rt		
II Priority			
III Non-establishmer	at of report with regard	to novelty, invent	ive step or industrial applicability
IV Lack of unity of		•	
V X Reasoned stateme		th regard to novelt	y, inventive step or industrial applicabil
VI Certain documents	cited		
VII Certain defects in	the international application	on	
	ns on the international app		
Contain observation	ab on the international app		
Date of submission of the demand		Date of completion	n of this report
22 AUGUST 2000		26 MARCH 20	001

Authorized officer

Telephone No.

ALVIN OBERLE James & Matthew

(703) 305-3900

Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231

Name and mailing address of the IPEA/US

Facsimile No. (703) 305-3230



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International	application	No
THICHIMITOH	application	110

PCT/US00/02014

1. Ba		report	· · · · · · · · · · · · · · · · · · ·		
1. With	regard to	the elements of the intern	ational applicati	on:*	
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		cription:			
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	hapes -			, med with the letter of	
x	the clai				
	pages _	73-74			, as originally filed
	pages _	NONE		, as amended (together wi	th any statement) under Article 19
	pages _	NONE			, filed with the demand
	pages _	NONE	, filed w	with the letter of	
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	the lang	guage of publication of	the internat	the purposes of international ional application (under Rule 2 purposes of international preliminational preliminational preliminational preliminational preliminational preliminational preliminational preliminational pre	
3. With	regard	to any nucleotide and/	or amino acid	sequence disclosed in the inter	mational application, the international
	contain	ed in the international	application:	in printed form.	
	filed to	gether with the interna	itional applic	ation in computer readable fo	rm.
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		, .	•	i computer readable form.	
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	The stat been fur	ement that the informat nished.	ion recorded ii	n computer readable form is iden	ntical to the writen sequence listing has
1 X	The am	endments have resulte	ed in the can	cellation of:	
·1.					
	F ''	he description, pages_			
		he claims. Nos.			
	. —	he drawings, sheets-f			
5.					, since they have been considered to go
				the Supplemental Box (Rule 70.2(c	
* Repi	iacement his report	sneets which have been fu t as "originally filed" ai	rnisnea to the id are not ann	receiving Office in response to an sexed to this report since they do	invitation under Article 14 are referred to not contain amendments (Rules 70.16
and	<i>70.17</i>).				
**Anv	replacer	ment sheet containing su	ch amendmen	ts must be referred to under iten	n I and annexed to this report.



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US00/02014

statement			
Novelty (N)	Claims	1-10	Y
•	Claims	NONE	N
Inventive Step (IS)	Claims	1-10	`
	Claims	NONE	
Industrial Applicability (IA)	Claims	1-10	Y
	Claims	NONE	1
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PÁTENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY	Amend Prior to Rub: 10/3/
To: BARRY D. REIN PENNIE & EDMONDS LLP 1155 AVENUE OF THE AMERICAS NEW YORK REFERED TO LACKEY REC'D Ahng AUG 0 7 2000	PCT Comment on Abstract: 9/3 NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION
Pennie & Edmonds O.K. for filing	(PCT Rule 44.1)
	Date of Mailing (day/month/year) 03 AUG 2000
Applicant's or agent's file reference 9318-022-228	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US00/02014	International filing date (day/month/year) 28 JANUARY 2000
Applicant IONA TECHNOLOGIES, INC.	AUG 8 200
When? The time limit for filing such amendm	the claims of the international application (see Rule 46): ents is normally 2 months from the date of transmittal of the r more details, see the notes on the accompanying sheet. VIPO ttes rland 40.14.35
	I search report will be established and that the declaration under
the protest together with the decision thereon happlicant's request to forward the texts of both	additional fee(s) under Rule 40.2, the applicant is notified that: as been transmitted to the International Bureau together with the the protest and the decision thereon to the designated Offices. the applicant will be notified as soon as a decision is made.
If the applicant wishes to avoid or postpone publication priority claim, must reach the International Bureau as completion of the technical preparations for internation Within 19 months from the priority date, a demand for in wishes to postpone the entry into the national phase un Within 20 months from the priority date, the applicant m	ational application will be published by the International Bureau. I, a notice of withdrawal of the international application, or of the provided in rules 90 bis 1 and 90 bis 3, respectively, before the nal publication. Iternational preliminary examination must be filed if the applicant til 30 months from the priority date (in some Offices even later). Sust perform the prescribed acts for entry into the national phase and in the demand or in a later election within 19 months from the
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer ALVIN OBERLEY Telephone No. (703) 305-3900

PATENT COOPERATION TREATY

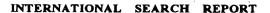
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 9318-022-228	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/22	Transmittal of International Search Report 0) as well as, where applicable, item 5 below.
International application No.	International filing date	e (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US00/02014	28 JANUARY 2000		29 JANUARY 1999
Applicant IONA TECHNOLOGIES, INC.			
according to Article 18. A copy is being	ng transmitted to the Inter	mational Burcau.	uthority and is transmitted to the applicant
This international search report consists	s of a total of $\cancel{\underline{\mathcal{J}}}$ sheet	8.	
X It is also accompanied by a c			report.
language in which it was filed,	unless otherwise indicated	under this item.	asis of the international application in the
 b. With regard to any nucleotide was carried out on the basis of 		ace disclosed in the in	nternational application, the international search
contained in the internations	• . •	orm.	
filed together with the intern	national application in cor	mputer readable forr	n.
furnished subsequently to th	nis Authority in written fo	orm.	
furnished subsequently to the	nis Authority in computer	readable form.	
international application as	filed has been furnished.		s not go beyond the disclosure in the
furnished. 2. Certain claims were found	l unecercheble (See Boy	T)	
3. Unity of invention is lacking	,	1).	
4. With regard to the title,	3 (* * * = * * * * * * * * * * * * * * *		
the text is approved as subm	nitted by the applicant.		
the text has been established ORGINAL TITLE TOO DYNAMIC CONFIGUR	LONG		NT-SERVER ENVIRONMENT
5. With regard to the abstract,			
the text is approved as subm			
the text has been established Box III. The applicant may, search report, submit comm	within one month from th		
6. The figure of the drawings to be pe	ublished with the abstract	is Figure No. 3	
as suggested by the applican	ıt.		None of the figures.
because the applicant failed	to suggest a figure.		
X because this figure better ch	aracterizes the invention.		

Form PCT/ISA/210 (first sheet) (July 1998)★





International application No. PCT/US00/02014

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

A computer implement method (Fig. 3) of activating a process. The method includes the steps of generating one or more first plug-ins each configured to activate a target process, dynamically registering the first plug-ins with a second plug-in, and permanently storing information relating to each register first plug-in. A server computer in a client-server computer system that includes one or more first plug-ins each configured to activate a target process, and a second plug-in configured to dynamically register the first plug-ins and to permanently store information relating to the registered first plug-ins.

INTERNATIONAL SEARCH REPORT

International application No. PCT/US00/02014

	ASSIFICATION OF SUBJECT MATTER		
US CL	: G06F 9/00, 9/46, 15/163 :709/310		
	to International Patent Classification (IPC) or to be	oth national classification and IPC	
	LDS SEARCHED		
Minimum	documentation searched (classification system follow	wed by classification symbols)	
U.S. :	709/310, 315		
Documenta	tion searched other than minimum documentation to	he extent that such documents are included	in the fields searched
- ·			
WEST, I	data base consulted during the international search (DIALOG, DTSEARCH	name of data base and, where practicable	e, search terms used)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		·
Category*	Citation of document, with indication, where	appropriate, of the relevant passages	Relevant to claim N
Y	SCHMIDT, D.C. et al Object Ir September 1998, pages 1-9.	nterconnections, SIGS C++	1-10
Y	THE COMMON OBJECT REQUEST AND SPECIFICATION, February 19	1-10	
Y	JAVA 1.2 Unleashed, 1998, Chapter	1,6	
Y	DRAGAN, R.V. Plugging in:the LiveConnect/Plug-IN SDK 3.0, PC Magazine, October 1996 Vol. 15. No. 17 pages 284(2).		
Furth	er documents are listed in the continuation of Box	C. See patent family annex.	
•	cial categories of cited documents: ument defining the general state of the art which is not considered	"T" later document published after the inter date and not in conflict with the appli	cation but cited to understand
to b	e of particular relevance	the principle or theory underlying the "X" document of particular relevance; the considered novel or cannot be considered	invention
"L" doc cite spec	claimed invention access he		
	ument referring to an oral disclosure, use, exhibition or other	considered to involve an inventive combined with one or more other such being obvious to a person skilled in th	step when the document is document is
Une	ament published prior to the international filing date but later than priority date claimed	*&* document member of the same patent	fam ily
Date of the	actual completion of the international search	Date of mailing of the international sear	rch report
20 JUNE 2	2000	03 AUG 2000	·
Name and m Commission Box PCT	ailing address of the ISA/US er of Patents and Trademarks	Authorized officer	a: 11
Washington,	D.C. 20231	ALVIN OBERLEY	i Hill
Facsimile No	. (703) 305-3230	Telephone No. (703) 305-3900	

NOTES TO FORM PCT/ISA/220

These Notes are intended to give the basic instructions concerning the filing of amendments under Article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule" and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions, respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter IL

When? Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are societed by the international Buresu after the expiration of the applicable time limit but before the completion of the technical properations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been a filed, see below.

How? Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.

NOTES TO FORM PCT/ISA/220 (continued)

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51]:
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers;
 claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]:
 Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]:
 "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under Article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

The statement should be brief, it should not exceed 500 words if in English or if translated into English.

It should not be confounded with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It should not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

In what language?

The amendments must be made in the language in which the international application is published. The letter and any statement accompanying the amendments must be in the same language as the international application if that language is English or French; otherwise, it must be in English or French, at the choice of the applicant.

Consequence if a demand for international preliminary examination has already been filed ?

If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase?

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.